

In the Claims

## Claims 1-19 (Cancelled)

Claim 20 (Currently amended): A set of calibration compounds for mass spectrometry comprising at least two separately packaged mixtures (a) and (b), wherein

mixture (a) comprises at least two different compounds each of formula (I) R-X and having different molecular masses, and

mixture (b) comprises at least two further compounds of formula (I) R-X having different molecular masses, and wherein R is a trityl group and X is cleavable to form a charged species for mass spectrometry, and wherein mixture (a) and mixture (b) have molecular masses extending across different ranges.

Claim 21 (Original): The set, according to claim 20, in which the lowest molecular mass in mixture (a) is lower than the lowest molecular mass in mixture (b) and the highest molecular mass in mixture (a) is lower than the highest molecular mass in mixture (b).

Claim 22 (Original): The set, according to claim 20, in which each of mixtures (a) and (b) contains at least five different compounds of different molecular masses.

Claim 23 (Original): The set, according to claim 22, in which each of mixtures (a) and (b) contains at least 10 different compounds of different molecular masses.

Claim 24 (Original): The set, according to claim 20, comprising at least three separately packaged mixtures of compounds.

Claim 25 (Original): The set, according to claim 24, comprising at least five separately packaged mixtures of compounds.

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Claims 26-37 (Cancelled)

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